

IN THE CLAIMS

Claims 1-17. (Canceled)

18. (Original) A recording apparatus comprising:

an extractor operable to extract a program clock reference from a received transport stream;

a clock generator operable to generate a clock signal synchronized with said program clock reference;

a time-stamp generator operable to generate an arrival time stamp of transport packet in synchronization with said clock signal;

a formatting unit operable to add said arrival time stamp to the transport packet;
and

an information generator operable to generate information representative of a transport packet corresponding to discontinuity of the added arrival time stamps in the transport stream.

Claims 19-21. (Canceled)

22. (Currently Amended) A recording apparatus comprising:

a time-stamp generator operable to generate sequential time stamp in response to a clock;

a formatting unit operable to add said time stamp indicating arrival time of each transport packet to the transport packet;

an information generator operable to generate information indicative of positional information of the transport packet corresponding to discontinuity of the added time stamps;
~~wherein said information and the time stamp is utilized to control the output of said transport~~
packet; and

a recording unit operable to record said positional information along with the input transport packet.

23. (Previously Presented) The recording apparatus according to claim 22,

wherein a recording control circuit stores a playback management file of an original playback path corresponding to a transport stream in a storage media unit.

24. (Previously Presented) The recording apparatus according to claim 23,

wherein said playback management file includes file names, times and addresses of an edited playback path and locations or points of time at each of which discontinuity of time stamps is generated.

Claim 25. (Canceled)

26. (Currently Amended) A recording apparatus comprising:

a time-stamp generator operable to generate an arrival time stamp indicative of arrival time of received transport packet;

a formatting unit operable to add said arrival time stamp to the received transport packet; and

an information generator operable to generate information indicating a discontinuity of the generated arrival time stamp in the transport stream, ~~whereby the output of the transport packet is controlled on the basis of the information and the arrival time stamp.~~

27. (Previously Presented) The recording apparatus according to claim 26,

wherein a recording control circuit stores a playback management file of an original playback path corresponding to a transport stream in a storage media unit.

28. (Previously Presented) The recording apparatus according to claim 27,

wherein said playback management file includes file names, times and addresses of an edited playback path and locations or points of time at each of which discontinuity of time stamps is generated.

Claim 29. (Canceled)

30. (Original) A method for recording, comprising the steps of:

- extracting a program clock reference from a received transport stream;
- generating a clock signal synchronized with said program clock reference;
- generating an arrival time stamp of transport packet in synchronization with said clock signal;
- formatting to add said arrival time stamp to the transport packet; and
- generating information representative of a transport packet corresponding to discontinuity of the added arrival time stamps in the transport stream.

31. (Previously Presented) A method according to claim 30,

wherein a recording control circuit stores a playback management file of an original playback path corresponding to a transport stream in a storage media unit.

32. (Previously Presented) A method according to claim 31,

wherein said playback management file includes file names, times and addresses of an edited playback path and locations or points of time at each of which discontinuity of time stamps is generated.

33. (Canceled)

34. (Currently Amended) A method for recording, comprising the steps of:

generating sequential time stamp in response to a clock;

formatting to add said time stamp indicating arrival time of each transport packet to the transport packet;

generating information indicative of positional information of the transport packet corresponding to discontinuity of the added time stamps, ~~wherein said information and the time stamp is utilized to control the output of said transport packet;~~ and

recording said positional information along with the input transport packet.

35. (Previously Presented) A method according to claim 34,

wherein a recording control circuit stores a playback management file of an original playback path corresponding to a transport stream in a storage media unit.

36. (Previously Presented) A method according to claim 35,

wherein said playback management file includes file names, times and addresses of an edited playback path and locations or points of time at each of which discontinuity of time stamps is generated.

Claim 37. (Canceled)

38. (Currently Amended) A method for recording, comprising the steps of:
generating an arrival time stamp indicative of arrival time of received transport packet;
formatting to add said arrival time stamp to the received transport packet; and
generating information indicating a discontinuity of the generated arrival time stamp in the transport stream, ~~whereby the output of the transport packet is controlled on the basis of the information and the arrival time stamp.~~

39. (Previously Presented) A method according to claim 38,
wherein a recording control circuit stores a playback management file of an original playback path corresponding to a transport stream in a storage media unit.

40. (Previously Presented) A method according to claim 39,
wherein said playback management file includes file names, times and addresses of an edited playback path and locations or points of time at each of which discontinuity of time stamps is generated.

Claim 41-43. (Canceled)